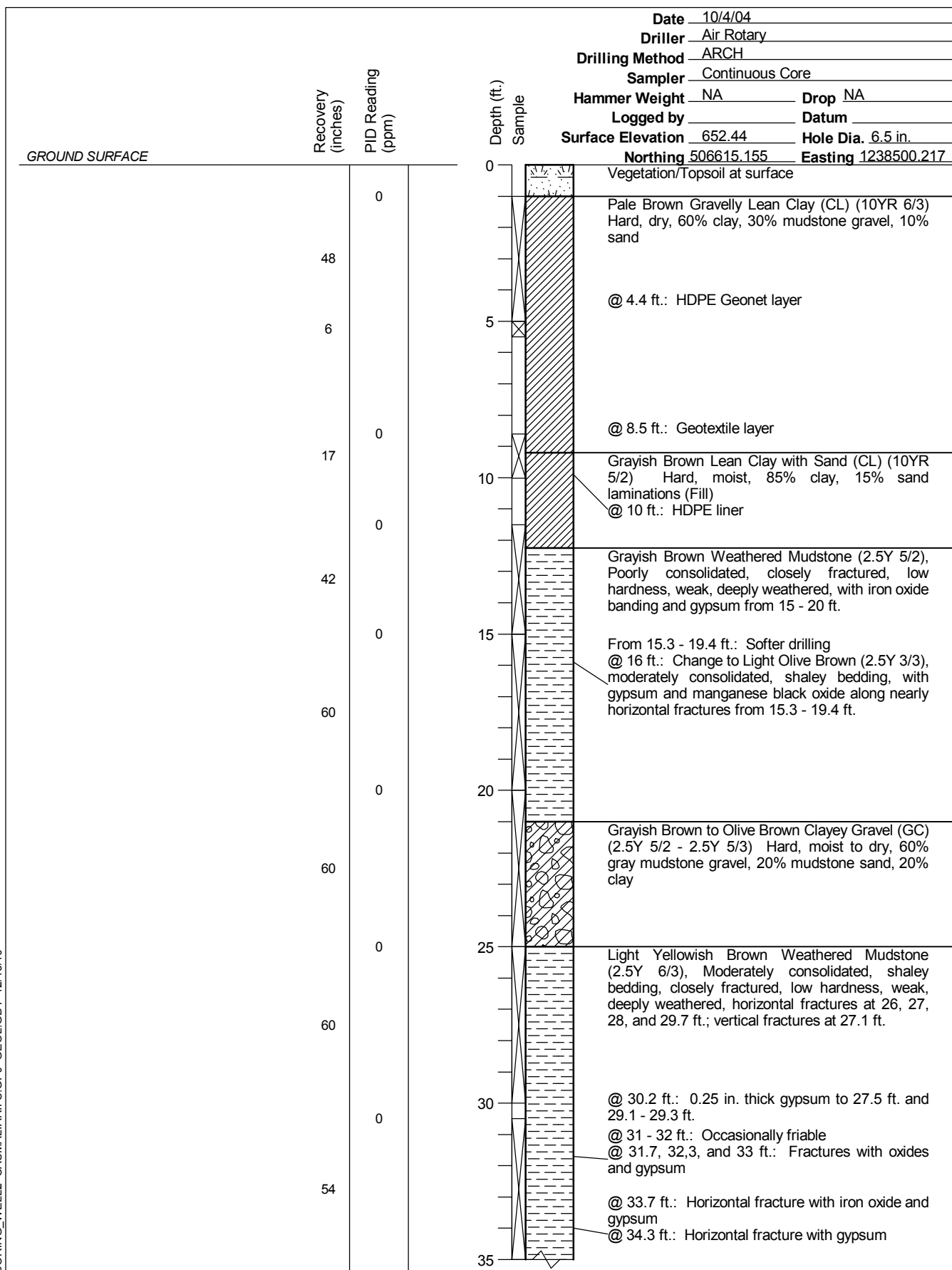


BORING_WELL2_CASMALIA_RIFS.GPJ GEOL.GDT 12/13/10

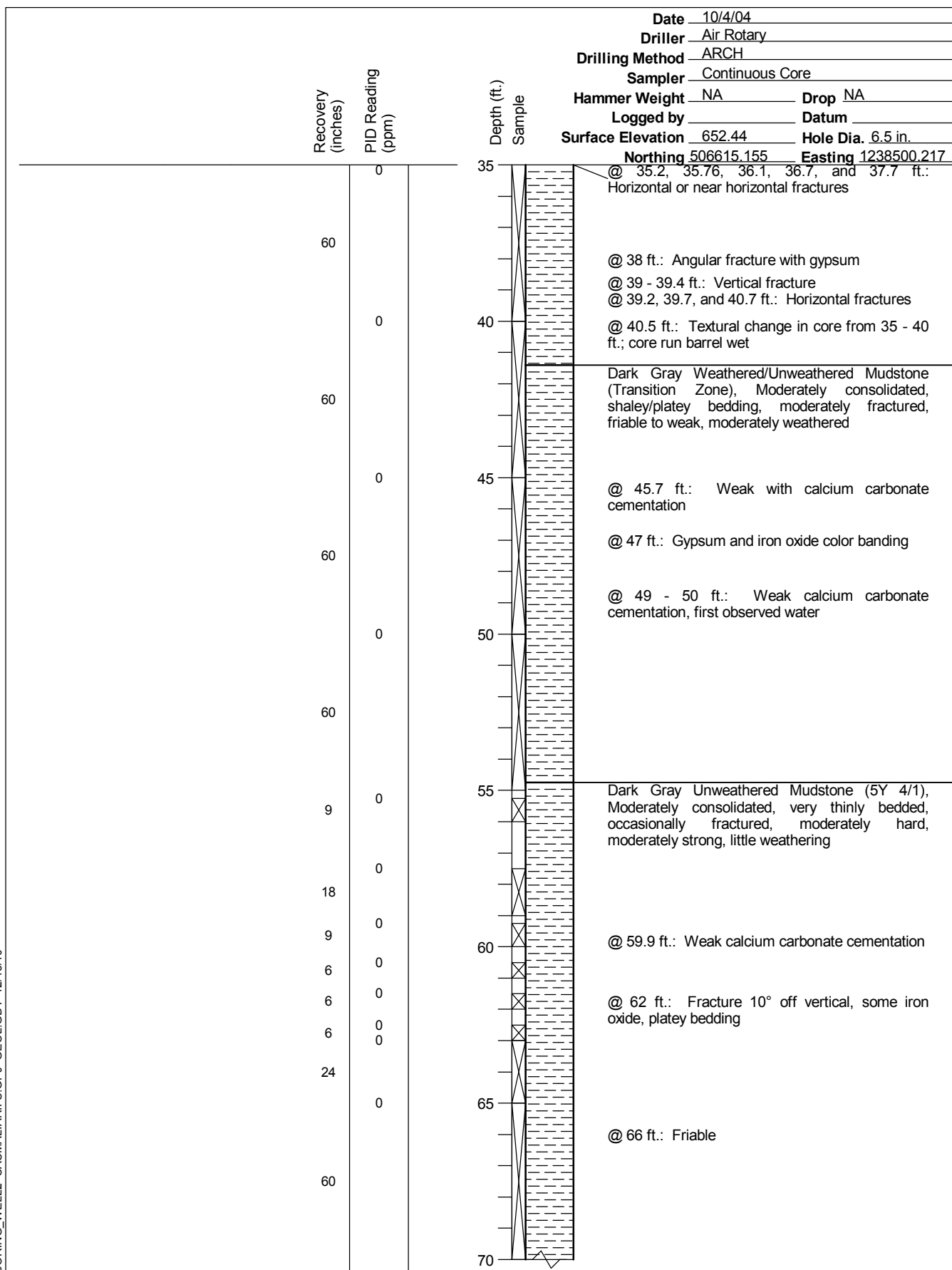


PLATE

Log of Boring RISB-01Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California**E9-53**

DRAWN	JOB NUMBER	CHECKED	CHK'D DATE	APPROVED	APPR'D DATE
CN	4088097619	WJF	1/11	WBC	1/11

BORING_WELL2_CASMALIRIFS.GPJ GEOL.GDT 12/13/10



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Casmalia Resources Superfund Site
Casmalia, California

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BORING_WELL2_CASMALIA_RIFS.GPJ GEOL.GDT 12/13/10

Date 10/4/04
Driller Air Rotary
Drilling Method ARCH
Sampler Continuous Core
Hammer Weight NA Drop NA
Logged by Datum
Surface Elevation 652.44 Hole Dia. 6.5 in.
Northing 506615.155 Easting 1238500.217

Recovery
(inches)

PID Reading
(ppm)

Depth (ft.)
Sample

0

60

24

60

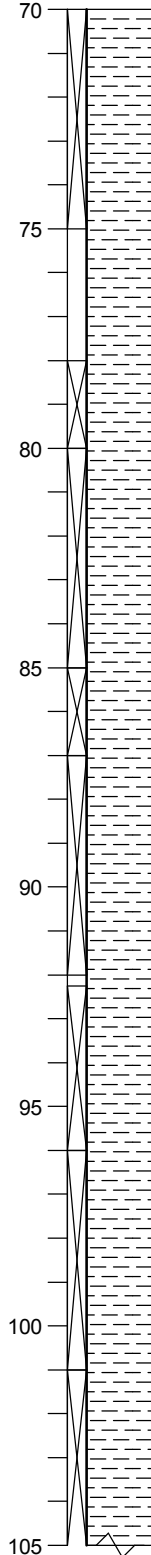
24

60

45

60

60



From 70.9 - 74 ft.: Zones are more resistant

From 74 - 75 ft.: Hard

@ 78 ft.: More resistant; hard from 79 - 86 ft.

@ 79.5 ft.: Two horizontal and subhorizontal fractures with white mineral in-filling, evidence of near vertical jointing

@ 85 ft.: Back to more friable, thinly bedded material; weak from 86 - 90 ft.

@ 89.5 ft.: Wet zone, no mineralization; hard from 90 - 90.5 ft.

@ 90.6 ft.: Wet zone, no mineralization; weak from 90.5 - 112 ft.; little weight on bit needed to advance core

@ 94.3 ft.: More resistant material

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Northing 506615.155 Easting 1238500.217

Recovery
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PID Reading
(ppm)

Depth (ft.)
Sample



@ 107 ft.: Driller notes slightly harder drilling

@ 112 - 113 ft.: Harder

@ 113 ft.: Weak

@ 114.7 - 114.8 ft.: Harder

@ 120 - 124.5 ft.: Harder

@ 124.5 - 130.5 ft.: Weak

@ 126 ft.: Sheared and powdery, friable, dry

@ 130 ft.: More resistant

@ 130.5 - 132 ft.: Harder; horizontal fractures at 131 ft.

@ 132 - 138.5 ft.: Weak

@ 133 - 133.5 ft.: Wet, no mineralization

@ 135 ft.: White zone

@ 136.1 - 136.4 ft.: Massive bedding feature, not platy, bedding inclination near horizontal

@ 137 - 137.5 ft.: Wet, no mineralization

@ 138.5 - 141 ft.: Harder

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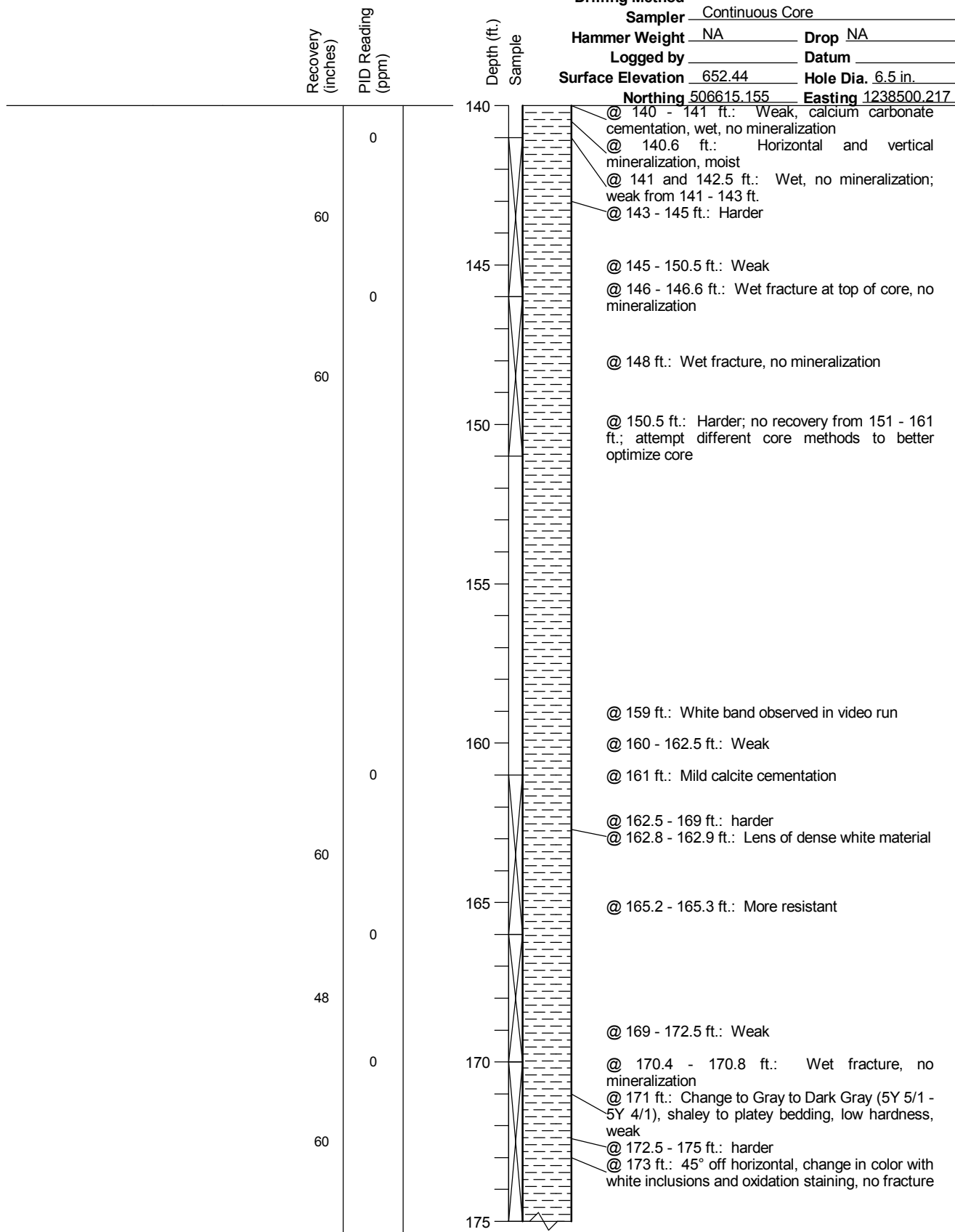
1/11

WBC

1/11

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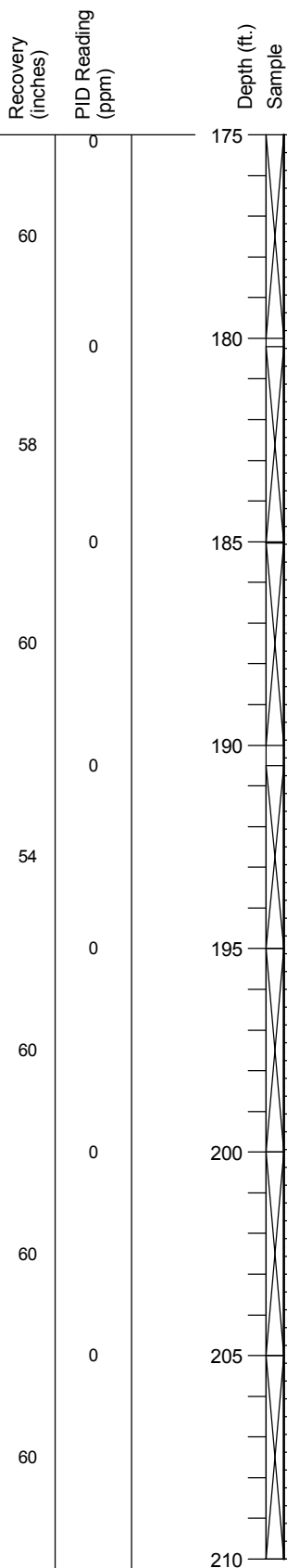
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@ 175 - 180 ft.: Weak
 @ 177 ft.: Core is wet throughout
 @ 180 - 185 ft.: Harder
 @ 181.5 ft.: Change to Dark Gray (5Y 4/1), massive bedding, weak to moderately strong, core breaks along irregular surfaces, no oxidation or mineralization
 @ 185 - 190 ft.: Weak; wet from 185.2 - 106.5 ft., no mineralization
 @ 190 - 195 ft.: Platey bedding
 @ 194 - 195 ft.: Minor calcite cementation
 @ 195 - 199.5 ft.: Weak, wet throughout, no mineralization
 @ 199.5 - 205.5 ft.: Harder, moist
 @ 204 ft.: Moderate calcite cementation
 @ 205.5 - 209.5 ft.: Weak, friable
 @ 206 - 207 ft.: Moist
 @ 209.5 - 210.5 ft.: Harder

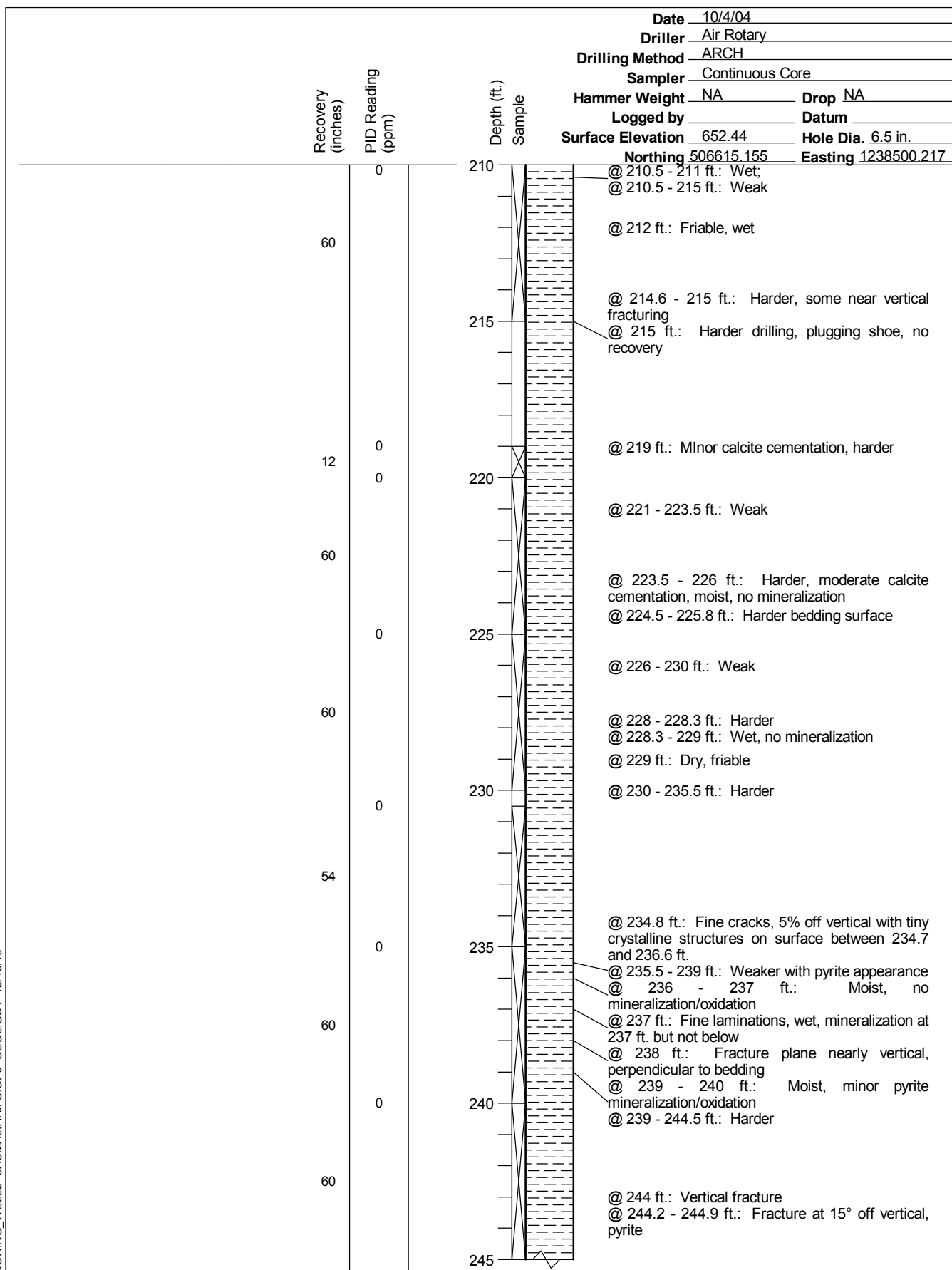
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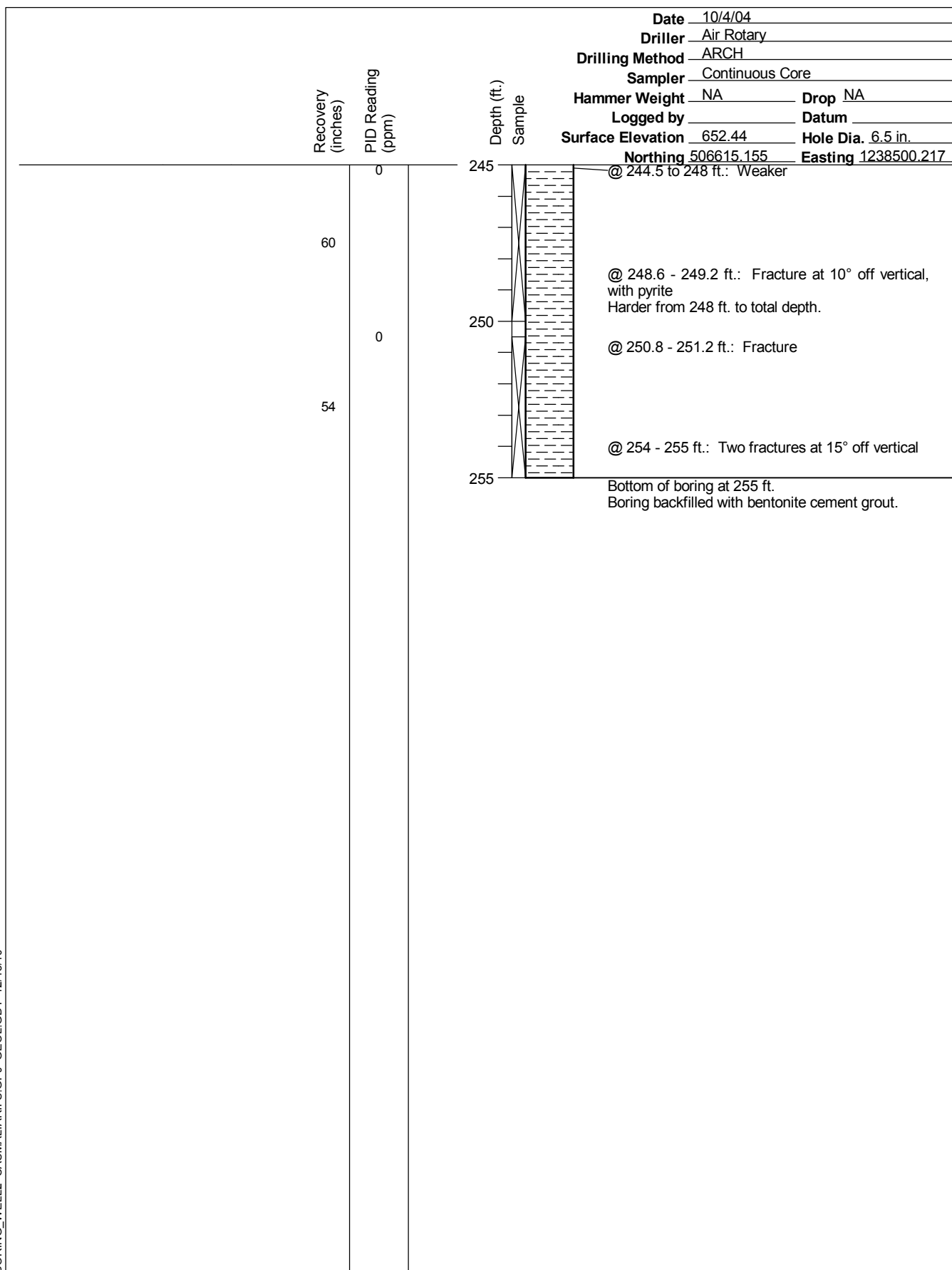
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